
**Kansas State Department of Education
Technology Plan
2007-2011**

**Adopted by the Kansas State Department of Education
October 20, 2006**

STUDENT LEARNING

GOAL, OBJECTIVES, AND IMPLEMENTATION STRATEGIES

While Districts are encouraged to utilize the [National Educational Technology Standards for Students \(NETS-S\)](#) because of their national scope and usage, technology literacy standards are being incorporated within the 2006 Draft of the Kansas Library Media and Technology Standards. These standards will provide districts with information related to student information literacy and technology literacy and are aligned with the NETS-S. The following 2007-2011 Student Learning Goals and Objectives extend 2002 objectives and place more emphasis on technology literacy as outlined in NCLB legislation while emphasizing [21st Century Skills](#) development.

Goal I. All Kansas students will utilize 21st Century Learning tools to engage in rigorous and relevant learning opportunities to realize high levels of academic achievement and acquire lifelong knowledge and skills.

Objective 1. KSDE will provide leadership, support and resources to ensure all students are technology literate.

Implementation Strategies

- a. KSDE will adopt and publish information and technology literacy standards through the Library Media & Technology Standards and will integrate these with Content Area standards as appropriate.
- b. KSDE will publish guidelines to establish a common understanding of student technology literacy.
- c. KSDE will provide resources and support for assessing student technology literacy.
- d. KSDE will provide support and direction for collecting data regarding 8th grade technology literacy results.
- e. KSDE will provide support for expanded learning opportunities through a variety of technologies, such as virtual education and digital instruction.

Objective 2. KSDE will provide leadership and resources to support districts in utilizing 21st century learning tools that engage students in rigorous and relevant learning opportunities.

Implementation Strategies

- a. KSDE will provide replicable instructional models that provide students opportunities to utilize 21st century learning tools to communicate, collaborate, solve problems, and access, manage, integrate, evaluate and create information to support their learning.
- b. KSDE will provide resources and best practices in support of technology rich learning opportunities that ensure students develop digital citizenship and internet safety practices.
- c. KSDE will provide access to exemplary technology rich learning opportunities that ensure students are developing [21st Century Skills](#).
- d. KSDE will provide replicable implementation model(s) for classroom level best practices that support improved student achievement (i.e. project based learning, student learning styles, etc.)
- e. KSDE will provide information and guidelines to support districts in efforts to expand learning opportunities through a variety of technologies such as online courses, virtual education and digital instruction.

Student Learning: *(Please share a program, project, or practice in your district – or a district you know about – that addresses one or more of the Student Learning objectives. An example might include the use of project-based learning examples, Podcasts, Blog Links or other resources used to analyze technology integration and literacy and resulting changes in curriculum, instruction, assessment, or data management.)*

A LINK WILL BE PROVIDED FOR CONTRIBUTORS TO POST EXAMPLES.

TEACHING & PROFESSIONAL DEVELOPMENT GOAL, OBJECTIVES, AND IMPLEMENTATION STRATEGIES

Teaching and Professional Development is updated in this plan as a separate goal to provide a renewed emphasis on the need for highly qualified teachers who are technology literate. The implementation strategies encourage on-going professional development opportunities to ensure Kansas teachers are equipped with best practices to meet the individual needs of Kansas students. The 2007-2011 plan builds on 2002 objectives that continue to promote best practices, 21st Century Skills and support for Professional Education Standard #12 (p. 57) published in the ["Teacher Education and Licensure REGULATIONS and STANDARDS FOR KANSAS EDUCATORS"](#).

Goal II. All Kansas teachers will increase their technology proficiencies to improve technology integration, enhance instructional practices, and help all students use technology effectively.

Objective 1. KSDE will provide resources, support and information regarding best practices in classroom technology implementation and integration.

Implementation Strategies

- a. KSDE will provide guidance, tools and resources to assist Districts in measuring the effectiveness of technology implementation and integration in the classroom. (i.e. [Levels of Technology implementation \(LoTi\) framework](#), rubrics, surveys)
- b. KSDE will provide resources and tools to support and promote the use of best practices at all levels, including pre-service teacher preparation.
- c. KSDE will provide resources and tools to support Districts in developing expertise in Content Area Standards through the use of technology. (i.e. [KERC](#), [Standards Training Modules](#))
- d. KSDE will provide replicable models for effectively implementing technology (i.e. Enhancing Education Through Technology-[Technology Rich Classroom Project](#), [Intel Teach to the Future Training](#), [McRel Training](#)).

Objective 2. Districts will provide on-going professional development opportunities that support effective technology integration, implementation and enhance student academic achievement.

Implementation Strategies

- a. Districts will provide ongoing professional development opportunities to ensure teacher technology literacy. (i.e. [ISTE National Educational Technology Standards for Teachers](#))
- b. Districts will provide on-going professional development opportunities to ensure effective, responsible, and safe use of technologies. (i.e. Digital Citizenship, Internet Safety)
- c. Districts will provide on-going professional development opportunities in best practices to ensure effective technology integration in the classroom. (i.e. Project-Based Learning, [21st Century Skills](#), [LoTi](#).)
- d. Districts will utilize technology resources and tools to provide professional development on Content Area Standards. (i.e. [KERC](#), [Standards Training Modules](#))
- e. Districts will provide on-going professional development in the use of data, data-informed decision making and data-driven instruction.

Teacher Preparation Effective Practices: (*Please share a program, project, or practice in your district – or a district you know about – that addresses one or more of the objectives. An example might include use of [Technology Rich Classrooms](#) or [Intel Teach to the Future](#) professional development programs to prepare teachers on appropriate and safe uses of education technologies to improve instruction and student performance and/or the use of [Apple Classrooms of Tomorrow](#) integration, a teacher reflection or other framework surveys/tools, or other resources used to analyze instructional technology integration and literacy and resulting changes in instruction, assessment, or data management.*)

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LEADERSHIP

GOAL, OBJECTIVES, AND IMPLEMENTATION STRATEGIES

The 2002 plan incorporated the development of the [Kansas Academy for Leadership \(KAL-Tech\)](#) and the intended participation and results. The 2007-2011 plan enhances, updates and extends the professional development for school administrators to include Academy goals and to incorporate the Kansas Laboratory for Educational Leaders (KLEL) Wallace Grant project while also modeling distributed Leadership practices across the state.

Goal III. All Kansas school leaders will engage in ongoing development of the leadership skills necessary to support a technology rich, 21st Century learning environment.

Objective 1. KSDE will support and expand professional development for school administrators to ensure a visionary leader in every school.

Implementation Strategies

- a. KSDE will provide resources, information and support to Kansas district and school leaders related to best practices and approaches in learning and educational technology leadership to develop a vision for systemic change. (i.e. classroom best practices, observation strategies, instructional design models)
- b. KSDE will promote the critical nature of instructional leadership. (i.e. through KAL-Tech academy and the Kansas Laboratory for Educational Leaders (KLEL) projects).
- c. KSDE will support the expansion of the KAL-Tech academy by creating connections among members of the education community that will extend beyond the training institutes and serve as a forum that promotes systemic change in Kansas schools.
- d. Kansas school leaders will participate in the KAL-Tech academy and apply the best practices to their school districts.
- e. KSDE will develop new standards of effective leadership that incorporate a comprehensive system of professional development for Kansas school leaders. (i.e. KLEL)

Objective 2. KSDE will support collaboration, communication and sharing of leadership practices among K-12 practitioners, parents, community members, business and industry partners, higher education institutions, etc.

Implementation Strategies

- a. KSDE will provide collaboration and communication opportunities throughout Kansas. (i.e. Professional Learning Communities)
- b. KSDE will forge partnerships and relationships that focus on work-force development issues within Kansas.
- c. KSDE will assist districts in developing partnerships to strengthen local and regional communities.

Leadership: *(Please share a program, project, or practice in your district – or a district you know about – that addresses one or more of the Leadership objectives. An example might include examples of distributed leadership programs that are effective, leadership practices, leadership walk-through or observation rubrics, examples of professional learning communities and partnerships with business/industry.)*
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ADMINISTRATION, EVALUATION, AND ACCOUNTABILITY

GOAL, OBJECTIVES, AND IMPLEMENTATION STRATEGIES

Since the 2002 plan, significant progress has been made in the development and use of information systems and data support for evaluation, accountability, and data informed decision making. The 2007-2011 plan outlines objectives related to the development of data systems including data quality, data management and security, along with administrative and compliance issues such as technology planning, and E-Rate.

Goal IV. All Kansas Districts will provide administrative, student management, instructional and communications systems that support effective decision-making, teaching and learning, and ensure compliance at all levels.

Objective 1. KSDE will implement an enterprise data system that supports integrated data collection and reporting, ensures compliance and supports data informed decision-making at all levels.

Implementation Strategies

- a. KSDE will provide leadership, coordination and support for developing an integrated data collection system that emphasizes data quality.
- b. KSDE will provide leadership, coordination and support in enhancing and automating sharing of data between districts, KSDE, and post-secondary institutions.
- c. KSDE will provide data and information to Districts related to No Child Left Behind, Adequate Yearly Progress and student achievement.
- d. KSDE will provide information, support, and assistance to Districts related to data reporting, security considerations and requirements, and compliance.
- e. KSDE will provide support, information and training to ensure Districts collect and report quality data and also that they optimize the use of that data.
- f. Districts will utilize data systems to support data informed decision-making at all levels.

Objective 2. KSDE will provide support and resources to assist Districts in developing local technology plans.

Implementation Strategies

- a. KSDE will provide guidance and information regarding compliance of technology plan components as well as incorporating Enhancing Education Through Technology (No Child Left Behind) and E-Rate requirements.
- b. KSDE will provide an evaluation rubric, exemplary plans, and online technology tools and resources to assist Districts in developing the Local Technology Plan.
- c. KSDE will manage the submission, review and approval process to ensure District compliance of the Local Technology Plan.
- d. Districts will develop, submit and update Local Technology Plans to ensure compliance.

Objective 3. KSDE will provide assistance, resources and support to Districts for E-Rate planning.

Implementation Strategies

- a. KSDE will provide web resources and training to assist Districts in the E-Rate process.
- b. KSDE will provide on-going updates and communication via the E-Rate Listserv.
- c. KSDE will coordinate E-Rate efforts with State E-Rate Advisors to ensure continuity and program compliance.

Administration, Evaluation and Accountability Effective Practices: *(Please share a practice, project or program in your district that addresses one or more of the above objectives. An example might include use of open source or SIF compliant software to create databases for analysis and reporting.)*
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